

# PATENT COOPERATION TREATY

From the:  
INTERNATIONAL SEARCHING AUTHORITY

To:

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## PCT

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year) <span style="float: right;">11 AUG 2004</span>	
Applicant's or agent's file reference 1378P003PCTa	
<b>FOR FURTHER ACTION</b> See paragraph 2 below	
International application No. <b>PCT/SG2004/000184</b>	International filing date (day/month/year) 17 June 2004
Priority date (day/month/year) 31 July 2003	
International Patent Classification (IPC) or both national classification and IPC <b>Int. Cl. <sup>7</sup> G08B 26/00, 13/14, 21/24; G07 C 1/20</b>	
Applicant <b>KENETICS INNOVATIONS PTE LTD et al</b>	

**1. This opinion contains indications relating to the following items:**

- |                                     |              |  |
|-------------------------------------|--------------|--|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the opinion   |
| <input type="checkbox"/>            | Box No. II   | Priority   |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability   |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention   |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited  |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application   |
| <input checked="" type="checkbox"/> | Box No. VIII | Certain observations on the international application  |

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized Officer <b>J. LAW</b> Telephone No. (02) 6283 2179
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/SG2004/000184

Box No. I      Basis of the opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing  
☐ table(s) related to the sequence listing

b. format of material

- ☐ in written format  
☐ in computer readable form

c. time of filing/furnishing

- ☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE  
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**PCT/SG2004/000184**

**Box No. V** Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

**1. Statement**

Novelty (N)	Claims 1-21	YES
	Claims	NO
Inventive step (IS)	Claims 1-21	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-21	YES
	Claims	NO

**2. Citations and explanations:**

Claims 1-21

The invention of the claims is related to a RFID based security system. A RFID tag is associated with a security appliance which is monitored by a reader device. A radio frequency link for the security appliance and the reader device is provided by a mobile device.

No individual citation or combination of citations disclose a mobile device that relays signals from the tag and the reader device.

The closest art of:

US 6486780 B1

shows a wireless data transfer system integrated with the reader unit.

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**Box No. VIII Certain observations on the international application**

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

1. Claims 13, 18, 21 are not fully supported by the description which discloses that each security appliances is associated with a RFID tag.
2. Claim 1 is not clear. The sources and destinations of the "radio frequency link" of the mobile device are not clear.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SG2004/000184

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int. Cl. <sup>7</sup> : G08B 26/00, 13/14, 21/24; G07C 1/20 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI (tag, label transponder, RFID, security, wireless, mobile, radio, communicate, read, detect, monitor, poll, interrogate)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6486780 B1 (GARBER et al.) 26 November 2002 The whole document	
A	US 2002/0170961 A1 (DICKSON et al.) 21 November 2002 The whole document	
A	US 2002/0158761 A1 (RUNYON et al.) 31 October 2002 The whole document	
A	US 6448886 B2 (GARBER et al.) 10 September 2002 The whole document	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 30 July 2004		Date of mailing of the international search report 11 AUG 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  <b>J. LAW</b> Telephone No : (02) 6283 2179

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG2004/000184

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 1998/000945 A2 (NORTHROP GRUMMAN CORPORATION) 8 January 1998 The whole document	
A	GB 2277397 A (ROSTER CONTROL SYSTEMS LIMITED) 26 October 1994 The whole document	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG2004/000184

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
US	6486780	AU	56705/99	BR	9913024	CA	2338601
		EP	1105855	EP	1326219	EP	1339032
		US	6232870	US	2001013830	US	2002008623
		US	2002167406	WO	0010144		
US	2002170961						
US	2002158761	US	2003076230	WO	02089083		
US	6448886	AU	56705/99	BR	9913024	CA	2338601
		EP	1105855	EP	1326219	EP	1339032
		US	6232870	US	6486780	US	2001013830
		US	2002008623	US	2002167406	WO	0010144
WO	9800945	EP	0962003	EP	0974101	US	5801643
		US	6058374	US	2002087436	WO	9837528
GB	2277397	CA	2138378	US	5491672	WO	9425937
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							